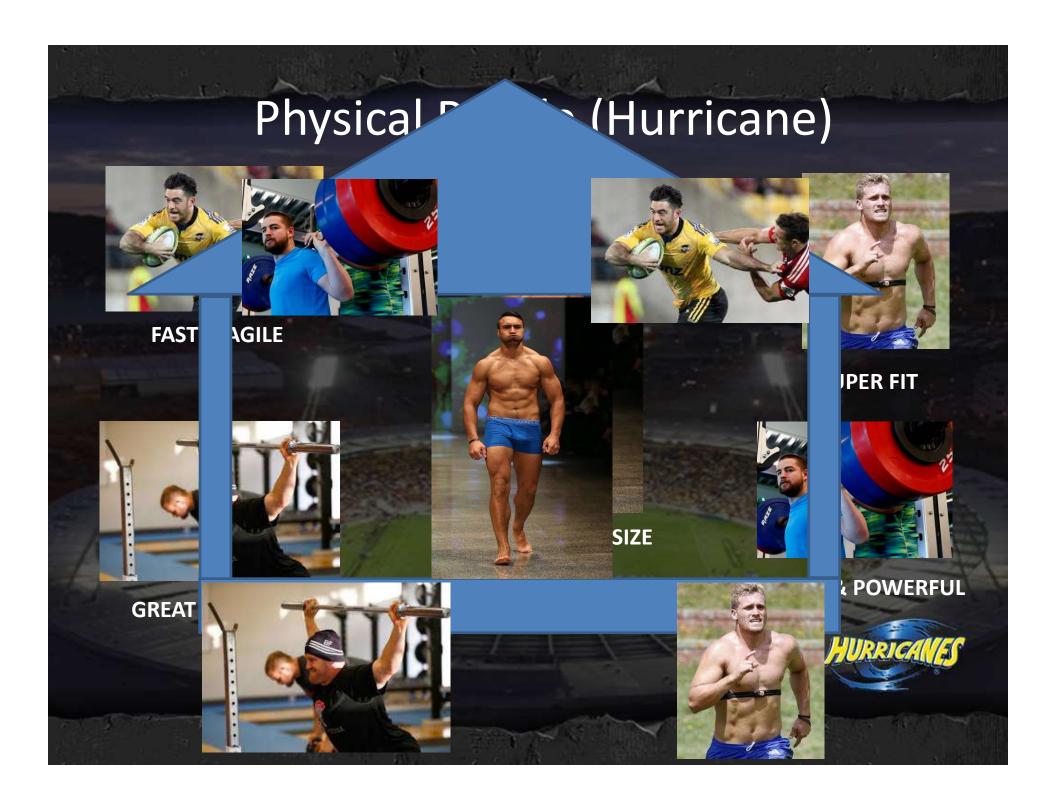
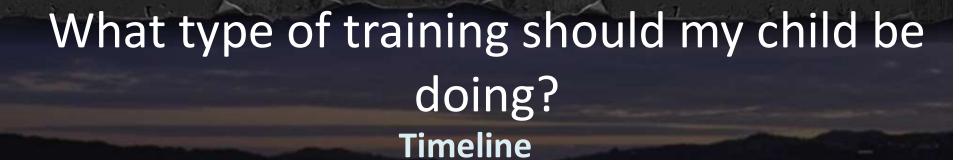


The Dirt!

- 1. What type of training should my child be doing?
- 2. Is resistance training ok?
- 3. Should he be taking supplements?
- 4. Injury prevention
- 5. Prepping to play
- Question/Answer







Movement competency

Body composition

Aerobic conditioning focus



Strength

Power (high velocity)

Anaerobic Focus



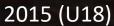


HURRICALLES



ASAFO AUMUA





BW: 100kgs

SF: 115mm

YoYo: 17.3

10m: 1.75s

20m: 3.01s

Bench: N/A

Squat: N/A

Basic Training

Technique/Body Comp



2016 (U19)

BW: 110kgs

SF: 110mm

YoYo: 17.4

10m: 1.71s

20m: 2.93s

Bench: 130kgs

Squat: 185kgs

Intermediate Training

Strength Focus



2017 (U20)

BW: 108kgs

SF: 75mm

YoYo: 18.3

10m: 1.69s

20m: 2.90s

Bench: 170kgs

Squat: 210kgs

Advanced training

Power Focus

Is strength training safe for youth (15-18yrs)?

- There is an abundance of evidence that shows resistance training is safe & effective when:
- Programs are designed and delivered by a qualified strength & conditioning coach. Builder example
- 2) A progressive approach is taken i.e. Body weight \rightarrow 15RM \rightarrow 6RM
- 3) Technique is **KEY** and is the primary focus of any programme at this age.

 We shouldn't be loading dysfunctional movement patterns.



Will strength training stunt my child's growth?

 No evidence exists that indicates a reduced stature in children who regularly strength train in a supervised environment

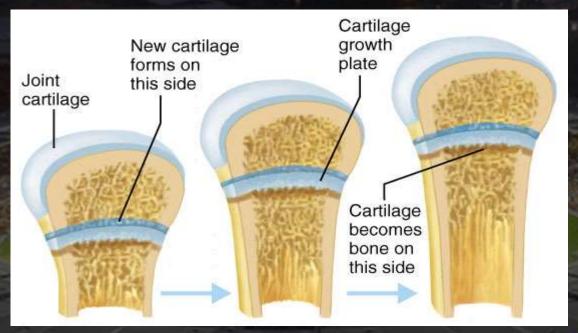
Weight-bearing physical activity actually has a positive influence on growth at any time during development. **Hop-scotch example**

Plyometric 1	Box Drop & Absorb	Box Jump Up	S/L Box Jump Up	Hurdle Hop & Stick	Continuous Hurdle Hops
Plyometric 2	S/L Bound & Stick (2 leg landing)	S/L Bound & Stick (1 leg landing)	Bound & Stick	G/A Bound & Stick	Continuous Bounds
Plyometric 3	Explosive Push Up	S/A MB Shot Put	MB Rotational Throw	Lying MB Throw	S/A Lying MB Throw



Will my child experience growth plate damage as a result of strength training?

No growth plate fracture has ever been reported in any research that was appropriately supervised and designed





What are the benefits?

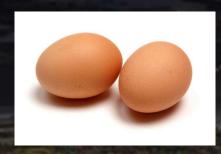
- ↑ mobility and balance
- ↑ posture
- ↑ coordination
- ↑ bone density
- ↑ cognition and stamina
- 个 lean muscle mass
- ↑ body composition
- 个 strength
- 个 endurance
- ↑ self-esteem
- ↓ muscle imbalances
- ↓ chance of developing certain disease





Supplements are designed to supplement your diet, if your diet is poddirsteaphroachou have nothing to supplement.











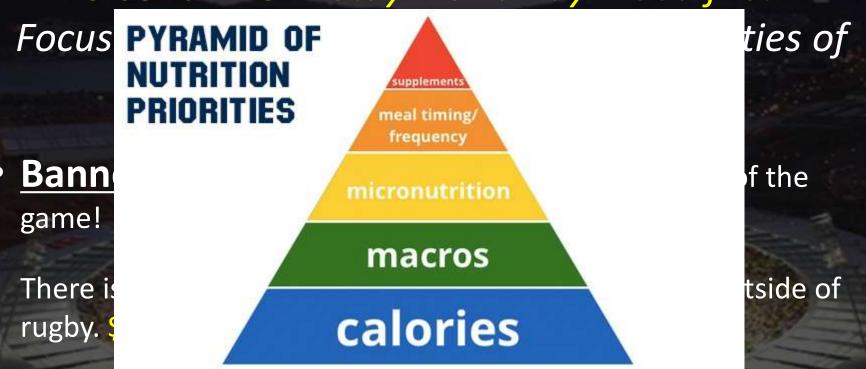






Should he be taking supplements?

Personal View: Stay well away! Food first...



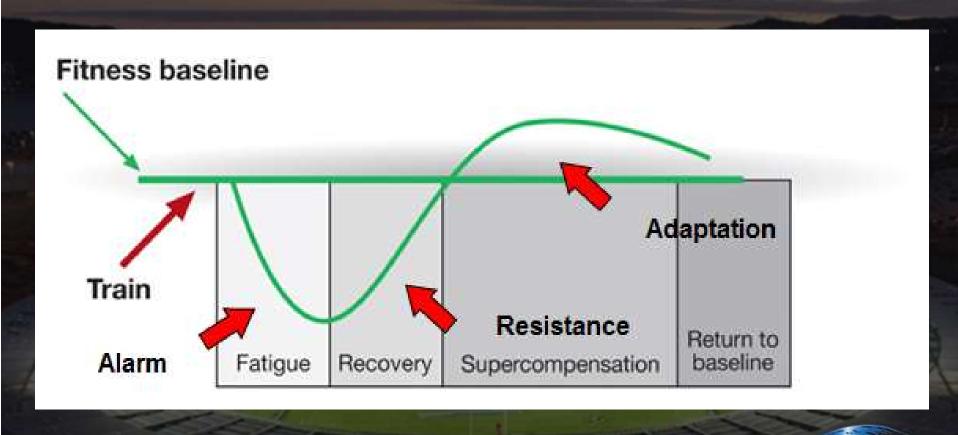
For further information visit www.drugfreesport.org.nz.

Injury Prevention

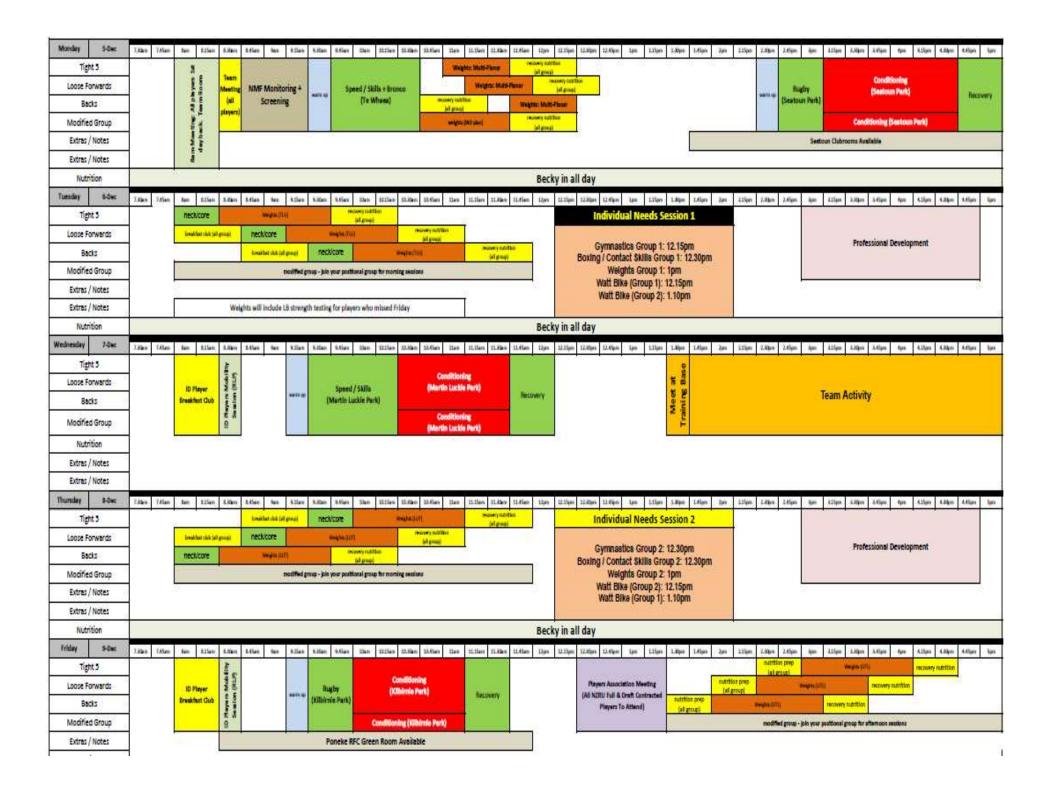




How Recovery Works







Load management

Schoolboy rugby often involves a high mental & physical loads Example Tuesday

6:30-8am	9-3pm	4-6pm	6-8pm	8-9pm	10pm
BREAKY + PACK FOOD	SCHOOL	PREP	Dinner	STUDY	Sleep!
PREP GYM SESSION (recovery snack)	NB: Stay hydrated Healthy Snacks Healthy Lunch	TRAINING RECOVERY	Hydrate	Evening Snack	Aim for >8hrs

Recovery

Mentally demanding/moderate physical demands

Very physically demanding





THE ROAD TO RECOVERY



GAME:

>100 POINTS

RECOVERY DAY:

>100 POINTS

HIGH INTENSITY AND/OR CONTACT SESSION:

>100 POINTS

RESISTANCE TRAINING/TEAM RUN:

>60 POINTS

SPEED/LIGHT UNITS:

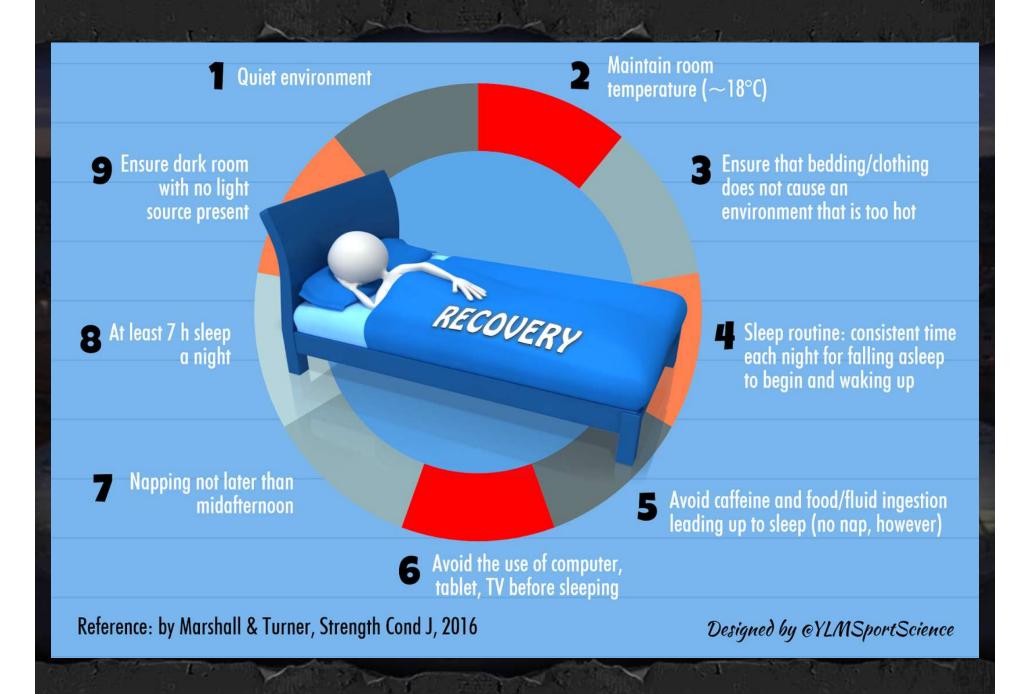
>40 POINTS

*COMPULSORY:

>8 HOURS SLEEP PER NIGHT

TARGET > 100 POINTS

WHAT	WHEN	POINTS
NUTRITION/HYDRATION	EAT EVERY 3-4 HOURS WITHIN 45MINS OF EXERCISE PISS TEST <20	50
HYDROTHERAPY	ANYTIME "PICK DINE" 1. ICE BATH'S G-TSMINS) 2. HOT/COLD PLOSEC/BD/SEC X/I-5) "NOT POST CONTACT 2. POOL PECOVERY (20-30MINS)	40
SPORTS MASSAGE	ANYTIME >30 MINS BY A SPECIALIST	40
ACTIVE RECOVERY (20MIN)	ANYTIME *OFF FEET IS IDEAL WITH INTENSITY BEING LOW. OPTIONS INCLUDE BIKE, ROW, SURF, JOG/WALK.	30
NORMATEC/STRETCH FOAM ROLL/TRIGGER POINT	ANYTIME *10-15MINS OF FOAM ROLLING AND STATIC STRETCHES. *15MINS NORMATEC	30
COMPRESSION GARMENT	POST EXERCISE >2HRS POST EXERCISE, WHEN TRAVELLING OR >8HRS DURING SLEEP.	20



Injury Management

R = REST (prevent further damage)

I = ICE (reduces pain/bleeding 20mins every 2hrs for 78hrs)

C= COMPRESSION (Reduce swelling/bleeding)

E= ELEVATION (Reduce swelling/bleeding)

R= REFERRAL (See a qualified medical professional)



RETURN TO PLAY

Return to play is governed by:

- Type of injury/ diagnosis
- A rehab protocol which is monitored by your team physio and must be completed before cleared to:
 - Firstly, train with the team
 - Secondly, play (If able to train symptom free)

Note: Regular liaising between the medical staff, coaches, and parents is required so that there is a plan in place to help optimise return from injury

Prep to Play (Dane Coles)

- Night before Load on carbs, usually have spag bowl, with a salad or vegs, and some fruit for desert.
- Stretch and trigger point 20 / 30 mins after dinner.
- 8/8 30 Breakfast 2 poached eggs and can of bake beans on 2 brown toast or half a cup of rolled oats with 1 cup of milk, 1 egg, scoop of protein, banana and almonds.
- After breakfast get my game day bag ready, right down in my book key
 points for game, etc. set piece, defence, attack, mental triggers to help me
 during the game.
 - Will look at notes a couple of times during the day.

Prep to Play (Dane Coles)

- **Lunchtime** Will chill in bed, usually eat a sandwich and fruit, pretty light at lunch.
 - Thru out the day will be consuming water
- 2 30 Team walk thru (primer), will stretch and trigger point before that,
 warm up, do some throws before live lineouts.
- 3 30 Pre match meal: powerade, 2 eggs, mash potato, chicken and pasta
 & some fruit.
- 30 mins in a normatec to flush the legs.
- Have a sleep from 4 5.
- Get ready at 5, go thru my key points I've written down in my book
 Stretch and trigger then game time. Listen to music too

TAKE HOME MESSAGES

- Lay big foundations (aerobic fitness, body composition, movement competency)
- Resistance training improves performance and reduces injury when done properly
- Food first
- Encourage your kids to be organized (preparation before sessions, plan recovery, sleep)
- See a qualified medical professional if injured

